

IN THE CLAIMS:

Please CANCEL claims 10, 11, 13, 14, 17-23, 25, 26, 29, 30, 35, 38, and 40-45 without prejudice to or waiver of the subject matter contained therein. Please AMEND claims 12, 15, 16, 24, 27, 36, 37, and 39, as follows.

Claims 1-11 (Cancelled)

12. (Currently Amended) The linear motor comprising: according to claim 22,
a coil;
a magnet, one of said coil and said magnet moving relative to the other of said coil and said magnet by flowing a current to said coil; and
a metal film provided at least at a surface of said magnet which faces said coil,
wherein said metal film contains gold.

Claims 13 and 14. (Cancelled)

15. (Currently Amended) The linear motor comprising: according to claim 22,
a coil;
a magnet, one of said coil and said magnet moving relative to the other of said coil and said magnet by flowing a current to said coil; and

a metal film provided at least at a surface of said magnet which faces said coil,
wherein said metal film has been subjected to mirror polishing.

16. (Currently Amended) The linear motor comprising: ~~according to claim~~
~~22,~~

a coil;

a magnet, one of said coil and said magnet moving relative to the other of said
coil and said magnet by flowing a current to said coil; and

a metal film provided at least at a surface of said magnet which faces said coil,
wherein said metal film is grounded.

Claims 17-23. (Cancelled)

24. (Currently Amended) The linear motor comprising: ~~according to claim~~
~~23,~~

a coil;

a magnet, one of said coil and said magnet moving relative to the other of said
coil and said magnet by flowing a current to said coil;

a jacket covering said coil and forming a flow path through which a refrigerant
flows; and

a metal film provided at least at a surface of said jacket which faces said
magnet,

wherein said metal film comprises one of nickel and gold, and a surface of said metal film is subjected to mirror polishing.

Claims 25 and 26. (Cancelled)

27. (Currently Amended) The linear motor comprising: according to claim 26,

a coil;

a magnet, one of said coil and said magnet moving relative to the other of said coil and said magnet by flowing a current to said coil; and

a metal film provided at least at a surface of said magnet which faces said coil,

wherein said metal film is provided at least at one of a stator and a movable element, said stator comprising said coil and said movable element comprising said magnet, and

wherein said movable element comprises a support member supporting said magnet and said metal film is provided at least at a portion of said support member which faces said coil.

28. (Previously Presented) A linear motor comprising:

a coil;

a magnet, one of said coil and said magnet moving relative to the other of said coil and said magnet by flowing a current to said coil;

a support member supporting said magnet; and

a metal film provided at least at one of a side of said support member which faces said coil and a side of said support member which does not face said coil.

Claims 29 and 30. (Cancelled)

31. (Previously Presented) A linear motor comprising:

a stator including a coil and a jacket, said jacket being arranged to cover said coil and to form a flow path through which a refrigerant flows;

a movable element comprising a magnet, said movable element moving by flowing a current to said coil; and

a metal film provided at least at a surface of said jacket, wherein said metal film comprises one of nickel and gold, and a surface of said metal film is subjected to mirror polishing.

Claims 32 and 33 (Cancelled).

34. (Previously Presented) A linear motor comprising:

a coil;

a magnet, one of said coil and said magnet moving relative to the other of said coil and said magnet by flowing a current to said coil;

a support member supporting said magnet;

a metal surface subjected to mirror polishing and arranged in at least a portion between said coil and said support member; and a yoke supporting said coil, said metal surface being provided at said yoke.

Claim 35. (Cancelled)

36. (Currently Amended) The linear motor comprising: ~~according to claim 35,~~

a coil;

a magnet, one of said coil and said magnet moving relative to the other of said coil and said magnet by flowing a current to said coil;

a jacket covering said coil and forming a flow path through which a refrigerant flows; and

a metal film provided at least at a surface of said jacket which faces said magnet,

wherein said metal film is formed of a nonmagnetic material, and

wherein said metal film contains nickel.

37. (Currently Amended) The linear motor comprising: ~~according to claim 23,~~

a coil;

a magnet, one of said coil and said magnet moving relative to the other of said coil and said magnet by flowing a current to said coil;

a jacket covering said coil and forming a flow path through which a refrigerant flows; and

a metal film provided at least at a surface of said jacket which faces said magnet,

wherein said metal film is formed of a nonmagnetic material, and

wherein said metal film contains gold.

Claim 38. (Cancelled)

39. (Currently Amended) The linear motor comprising: according to claim 23,

a coil;

a magnet, one of said coil and said magnet moving relative to the other of said coil and said magnet by flowing a current to said coil;

a jacket covering said coil and forming a flow path through which a refrigerant flows; and

a metal film provided at least at a surface of said jacket which faces said magnet,

wherein said metal film is formed of a nonmagnetic material, and

wherein said metal film is formed by plating.

Claims 40-45. (Cancelled)